153   .

Knotting Nagoya

Nagoya City University Seminar (No. 153) & Knotting Nagoya

Speaker   Professor Sam Nelson (Claremont McKenna College)

Title : Quandle Cocycle Quivers

Date : July 25   2019   15:00 ~

Place: Nagoya City University Takiko campus,

Building No.4 3rd floor Main Lecture Room

Abstract:

Given a finite quandle X, a set of quandle endomrophisms $S \subset \mathrm{Hom}(X, X)$ and a quandle 2-cocycle ϕ, we construct a direct graph-valued invariant of knots and link we call the quandle cocyle quiver. From this invariant we derive several polynomial enhancements of the quandle counting invariant and quandle cocycle invariant. This is joint work with my Harvey Mudd College senior thesis student Karina Cho.

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